

**ABSTRACT OF THE DISCLOSURE**

A patient monitoring system having a patient parameter cable with a memory device is provided. The parameter cable having a memory device is capable of storing system information, such as configuration settings, patient-specific data, and cable identification information. Upon connection of the parameter cable to a subsequent monitoring station, the cable memory is read, and the station is configured in accordance with information stored in the parameter cable. Continuity of patient monitoring system settings and calibrations during disconnection and reconnection of patient parameter cables is maintained. Clinical workflow is improved. Opportunity for error that accompanies manual entry of patient data and information is reduced. Improved tracking capability facilitates quality control of parameter cables.

5

10